

JUL 28 2004

OFFICIAL

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the Patent and Trade-mark Office on July 28, 2004.


Christine Crawford - Assistant to Craig A. AshL305 0003
GNM/CAA/cc

Paper No.: _____

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Inventor(s): WALTER, Bruno
Title: ACOUSTIC FLOW PULSING APPARATUS AND METHOD FOR
DRILL STRING
Serial No.: 10/614258
Filed: 8 July 2003
Examiner: TSAY, Frank Art Unit: 3672
Date: 28 July 2004

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL AMENDMENT**Introductory Comments**

Supplemental to the Amendment filed on 21 July 2004, please amend this application as follows:

- Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.
- Remarks/Arguments begin on page 9 of this paper.

08/04/2004 EKEY11 00000002 021037 10614258

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- 1 -

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 Christine Crawford - Assistant to Craig A. Ash

File No.: L305 0003

CAA/cc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for filing in regard to the patent application of:

Inventor(s): WALTER, Bruno
Title: ACOUSTIC FLOW PULSING APPARATUS AND METHOD FOR DRILL STRING
Serial No.: 10/614258
Filed: 8 July 2003
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Art Unit: 3672

Enclosed are:

- ☒ Supplemental Amendment.
- ☒ The Commissioner is hereby authorized to charge the indicated fees (\$27.00) or credit over-payment, to Account No. 02-1037
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 02-1037.

CLAIMS AS AMENDED					
For	No. after amendment	No. paid for previously	Present Extra	Rate	Fee
Total Claims (>20)	25	21	4	\$18.00	\$ 72.00
Indep. Claims (>3)	0	0	0	\$86.00	\$ 0.00
Multiple Dep. Claims	0	0	0	\$280.00	\$ 0.00
TOTAL FEES					\$ 72.00
Reduction by 50% for filing by small entity (Note 37 CFR 1.27)					\$ 36.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$ 36.00

PATENT APPLICATION FEE DETERMINATION RECORD
Effective January 1, 2003

Application or Docket Number

10614258

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	19	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	19 minus 20=	*
INDEPENDENT CLAIMS	2 minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE ☐ OR

OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	375.00
X\$ 9=	
X42=	
+140=	
TOTAL	375

RATE	FEE
BASIC FEE	750.00
X\$18=	
X84=	
+280=	
TOTAL	

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* 21 Minus ** 20	= 1
	Independent	* 4 Minus *** 3	= 1
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>		

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$ 9=	9.00
X42=	43.00
+140=	
TOTAL ADDIT. FEE	52.00

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* 25 Minus ** 21	= 4
	Independent	* 4 Minus *** 4	= -
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>		

RATE	ADDITIONAL FEE
X\$ 9=	36.00
X42=	-
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* Minus **	=
	Independent	* Minus ***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>		

RATE	ADDITIONAL FEE
X\$ 9=	
X42=	
+140=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X84=	
+280=	
TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.